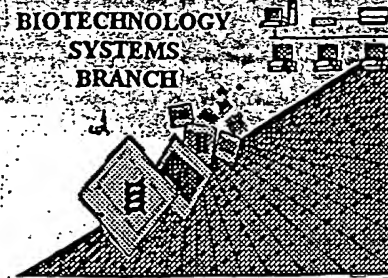


## **RAW SEQUENCE LISTING ERROR REPORT**



0400  
210  
0590  
01/1

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/006,116

Source: 01PE

Date Processed by STIC: 12/14/01

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.**

**PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:**

### **Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

**Checker Version 3.0 can be down loaded from the USPTO website at the following address:**

**<http://www.uspto.gov/web/offices/pac/checker>**

## Raw Sequence Listing Error Summary

### ERROR DETECTED      SUGGESTED CORRECTION

SERIAL NUMBER: 10/006,116

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics    The number/text at the end of each line "wrapped" down to the next line. This may occur if your file  
     Wrapped Aminos        was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will  
                                  prevent "wrapping."
  
- 2      Invalid Line Length    The rules require that a line not exceed 72 characters in length. This includes white spaces.
  
- 3      Misaligned Amino        The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers;  
     Numbering                use space characters, instead.
  
- 4      Non-ASCII                The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please  
                                  ensure your subsequent submission is saved in ASCII text.
  
- 5      Variable Length        Sequence(s)          contain n's or Xaa's representing more than one residue. Per Sequence Rules,  
                                  each n or Xaa can only represent a single residue. Please present the maximum number of each  
                                  residue having variable length and indicate in the <220>-<223> section that some may be missing.
  
- 6      PatentIn 2.0            A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid  
     "bug"                      sequences(s)         . Normally, PatentIn would automatically generate this section from the  
                                  previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to  
                                  the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for  
                                  Artificial or Unknown sequences.
  
- 7      Skipped Sequences      Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence:  
     (OLD RULES)                (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                                  (i)        SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
                                  (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                                  This sequence is intentionally skipped  
  
                                  Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
  
- 8      Skipped Sequences      Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence.  
     (NEW RULES)                <210> sequence id number  
                                  <400> sequence id number  
                                  000
  
- 9      Use of n's or Xaa's      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
     (NEW RULES)                Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
                                  In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
  
- 10      Invalid <213>            Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or  
     Response                    scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or  
                                  is Artificial Sequence
  
- 11 ✓      Use of <220>            Sequence(s) Several missing the <220> "Feature" and associated numeric identifiers and responses.  
                                  Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or  
                                  "Unknown." Please explain source of genetic material in <220> to <223> section.  
                                  (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
  
- 12      PatentIn 2.0            Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,  
     "bug"                      resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence  
                                  listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/006,116

DATE: 12/14/2001

TIME: 10:44:39

Input Set : A:\Seq\_List\_for\_P2830P1C15.wpd

Output Set: N:\CRF3\12142001\I006116.raw

**Does Not Comply**  
**Corrected Diskette Needed**

*Errors on pp. 9 + 10*

→ The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

3 <110> APPLICANT: Baker, Kevin P.  
 4 Botstein, David  
 5 Desnoyers, Luc  
 6 Eaton, Dan l.  
 7 Ferrara, Napoleone  
 8 Fong, Sherman  
 9 Gao, Wei-Qiang  
 10 Goddard, Audrey  
 11 Godowski, Paul J.  
 12 Grimaldi, Christopher J.  
 13 Gurney, Austin L.  
 14 Hillan, Kenneth J.  
 15 Pan, James  
 16 Paoni, Nicholas F.  
 18 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 19 Acids Encoding the Same  
 21 <130> FILE REFERENCE: P2830P1C15  
 C--> 23 <140> CURRENT APPLICATION NUMBER: US/10/006,116  
 C--> 23 <141> CURRENT FILING DATE: 2001-12-06  
 23 <150> PRIOR APPLICATION NUMBER: 60/098716  
 24 <151> PRIOR FILING DATE: 1998-09-01  
 26 <150> PRIOR APPLICATION NUMBER: 60/098723  
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 56 <150> PRIOR APPLICATION NUMBER: 60/099642  
 57 <151> PRIOR FILING DATE: 1998-09-09  
 59 <150> PRIOR APPLICATION NUMBER: 60/099741  
 60 <151> PRIOR FILING DATE: 1998-09-10  
 62 <150> PRIOR APPLICATION NUMBER: 60/099754  
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## RAW SEQUENCE LISTING

DATE: 12/14/2001

PATENT APPLICATION: US/10/006,116

TIME: 10:44:39

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Output Set: N:\CRF3\12142001\I006116.raw

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/006,116

DATE: 12/14/2001

TIME: 10:44:39

Input Set : A:\Seq\_List\_for\_P2830PlC15.wpd

Output Set: N:\CRF3\12142001\I006116.raw

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## RAW SEQUENCE LISTING

DATE: 12/14/2001

PATENT APPLICATION: US/10/006,116

TIME: 10:44:39

Input Set : A:\Seq\_List\_for\_P2830PlC15.wpd

Output Set: N:\CRF3\12142001\I006116.raw

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## RAW SEQUENCE LISTING

DATE: 12/14/2001

PATENT APPLICATION: US/10/006,116

TIME: 10:44:39

Input Set : A:\Seq\_List\_for\_P2830P1C15.wpd

Output Set: N:\CRF3\12142001\I006116.raw

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## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/006,116

DATE: 12/14/2001

TIME: 10:44:40

Input Set : A:\Seq\_List\_for\_P2830P1C15.wpd

Output Set: N:\CRF3\12142001\I006116.raw

L:23 M:270 C: Current Application Number differs, Replaced Current Application No  
L:23 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:520 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1  
L:523 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:533 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2  
L:536 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2  
L:681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:1342 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13  
L:1345 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:13  
L:1355 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14  
L:1358 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14  
L:1368 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:15  
L:1371 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15  
L:1551 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:18  
L:1554 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:18  
L:1564 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:19  
L:1567 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:19  
L:1577 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:20  
L:1580 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20  
L:1911 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:25  
L:1914 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
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L:1927 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:1937 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:27  
L:1940 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
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L:2409 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:34  
L:2419 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:35  
L:2422 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:35  
L:2432 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:36  
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L:2458 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:38  
L:2461 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:38  
L:2471 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:39  
L:2474 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:39  
L:2779 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:44  
L:2782 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:44  
L:2792 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:45  
L:2795 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:45  
L:2805 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:46  
L:2808 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:46  
L:2818 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:47  
L:2821 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47  
L:2831 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:48  
L:2834 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:48  
L:3957 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:59



## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/006,116

DATE: 12/14/2001

TIME: 10:44:40

Input Set : A:\Seq\_List\_for\_P2830P1C15.wpd

Output Set: N:\CRF3\12142001\I006116.raw

L:3960 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:59  
L:3970 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:60  
L:3973 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:60  
L:3983 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:61  
L:3986 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:61  
L:4030 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62  
L:4122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63  
L:4158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63  
L:4185 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:64  
L:4188 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:64  
L:4198 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:65  
L:4201 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:65  
L:4211 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:66  
L:4214 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:66  
L:4694 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:73  
L:4697 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:73  
L:4707 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:74  
L:4710 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:74  
L:4720 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:75  
L:4723 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:75  
L:5092 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:80  
L:5095 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:80  
L:5108 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:81  
L:5118 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:82  
L:5121 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:82  
L:5881 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:89  
L:5884 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:89  
L:5894 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:90  
L:5897 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:90  
L:5907 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:91  
L:5910 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:91  
L:5920 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:92  
L:5923 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:92  
L:5933 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:93  
L:5936 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:93  
L:6143 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:96  
L:6146 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:96  
L:6156 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:97  
L:6159 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:97  
L:6169 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:98  
L:6172 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:98  
L:6884 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:105  
L:6887 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:105  
L:6897 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:106  
L:6900 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:106  
L:6910 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:107  
L:6913 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:107  
L:6923 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:108  
L:6926 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:108

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/006,116

DATE: 12/14/2001

TIME: 10:44:40

Input Set : A:\Seq\_List\_for\_P2830P1C15.wpd

Output Set: N:\CRF3\12142001\I006116.raw

L:6936 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:109  
L:6939 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:109  
L:7066 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:112  
L:7069 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:112  
L:7079 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:113  
L:7082 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:113  
L:7092 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:114  
L:7095 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:114  
L:7473 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:119  
L:14262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:259  
L:20824 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:20824 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:  
L:20939 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:377  
L:22554 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:422

<210> 1  
<211> 43  
<212> DNA  
<213> Artificial

<220>  
<221> Artificial Sequence  
<222> 1-43  
<223> Sequence - Artificial

<400> 1  
tgtaaaacga cggccagtta aatagacctg caattattaa tct 43

<210> 2  
<211> 41  
<212> DNA  
<213> Artificial

<220>  
<221> Artificial Sequence  
<222> 1-41  
<223> Sequence - Artificial

<400> 2  
caggaaacag ctatgaccac ctgcacacct gcaaattccat t 41

invalid, see error  
summary sheet item 11

<210> 375

<211> 1098

<212> DNA

<213> Artificial

requires <220> to <223>

see error summary sheet, item 11

<400> 375

gcgacgcgcg gcggggcggc gagaggaaac gcggcgccgg gccgggcccg 50